

# Specification for Diffuser Series

## PRODUCT: Acoustical Barrel Diffusers

### SECTION XXXXX – ACOUSTICAL PANELS

#### PART 1 - GENERAL

##### 1.1 SUBMITTALS

- A. Product Data:
  - I. Manufacturer Specifications and other data needed that provides proof of compliance with specified requirements.
  - II. Submit quantity of \_\_\_\_\_ fabric selector cards from manufacturer's standard finishes, or designer specified finishes.
  - III. Include appropriate technical information including test data and maintenance instructions.
- B. Shop Drawings:
  - I. Show panel joints, detail references, dimensions and method of attachment.
- C. Samples:
  - I. Submit 12 inch x 12 inch sample of actual material and if specified, color cards showing manufacturer's full range of colors for Architect's selection.
  - II. Submit quantity of \_\_\_\_\_ samples of each type of acoustical panels as shown on the drawings and in schedules.
- D. Substitutions or changes to this specification will only be permitted by prior approval by the architect.

##### 1.2 QUALITY ASSURANCE

- A. Single Source Responsibility: Obtain acoustical panel materials from a single manufacturer. Provide acoustical panels and fabrics of each type required from one (1) manufacturer, of uniform texture and color.
- B. Installer to provide evidence of appropriate experience in system installation and that installation method proposed is acceptable to panel manufacturer.

### **1.3 DELIVERY, STORAGE AND HANDLING**

- A. Carefully protect products during shipment, storage and installation.
- B. Deliver materials to job site in unopened packages or crates and store elevated above floor in an enclosed space with proper ventilation and protection from damage.

## **PART 2 - PRODUCTS**

### **2.1 ACCEPTABLE MANUFACTURERS**

- A. Lamvin, Inc. (<http://www.lamvin.com>)  
4675 North Ave. Oceanside, CA 92056  
(800) 446-6329 (Phone)  
(760) 806-3200 (Fax)  
sales@lamvin.com
- B. Manufacturer substitutions are not permitted

### **2.2 MATERIALS**

- A. Acoustical panels shall be Lamvin's Acoustical Wall and/or Ceiling Barrel Diffuser Panels as manufactured by Lamvin, Inc. 4675 North Avenue, Oceanside, CA 92056 | Phone (800) 446-6329, Fax (760) 806-3200.
- B. Flame Spread: Panel core and finish shall have a composite Class I (or A) flame spread rating per ASTM E-84.

- C. Acoustical Diffuser panels shall be constructed of: 0.125" Thermoformed plastic core construction.
- D. Sizes: Shall be: \_\_\_\_ 2'x2', \_\_\_\_ 4'x2', \_\_\_\_ 4'x4', \_\_\_\_ 4'x6', \_\_\_\_ 4'x8', \_\_\_\_ 3'x3', \_\_\_\_ 3'x4', \_\_\_\_ 3'x5', or \_\_\_\_ 3'x6'. Actual dimensions are undersized (see product data) for proper fit.
- E. Edges: Shall be flanged for Lay-in to Standard Grid System, or flush for wall application.
- F. Acoustical Performance: Panels shall have a minimum NRC of \_\_\_\_ (see product data) in accordance with ASTM C-423 (Type "D5" Mounting).
- G. Fabric Finish: Finish shall be plain lemon peel texture and white in color or 100 percent polyester fabric, Guilford of Maine FR701-2100 Series in colors selected by Architect from Manufacturer's full range of colors, or \_\_\_\_\_ (specify). Fabric finish shall be applied directly to face and edges of the panel, returned onto the back of the panel to provide a full finish edge. All corners shall be fully tailored.
- H. Mounting: Shall be (circle one), Mechanical Z-Clip or Lay-in to Standard Grid System. Where ceiling diffusers type II is specified (standard for 4'x6' and larger), the grid shall be rated heavy duty. All grids shall be 15/16-inch width.
- I. Extra Materials: Provide 5% additional material for use by owner for building maintenance and repair.

## **PART 3 - EXECUTION**

### **3.1 INSPECTION**

- A. Verify dimensions to ensure proper fabrication of materials.

- B. The contractor shall be responsible for the examination and acceptance of all surfaces and conditions prior to the acoustical panel installation.

### **3.2 INSTALLATION**

- A. Installation of acoustical panels shall not begin until all wet work (plastering, concrete, etc.) is completed and dry. Building shall be properly enclosed and under standard occupancy conditions (temperature of 60-85° F and not more than 70% relative humidity) before installation begins.
- B. Install panels and fabrics in accordance with manufacturer's instructions and approved shop drawings.
- C. Arrange panels symmetrically on each wall, unless otherwise indicated.
- D. Arrange acoustical panels and orientate directional pattern, if any.
- E. Remove panels that are damaged and unacceptable to Architect and replace with new undamaged materials at no expense to owner.
- F. Do not begin installation until unacceptable conditions are corrected.

END OF SECTION XXXXX

To download this specification, please visit <http://www.lamvin.com>



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# Barrel Diffusers

